

Title (en)
Input circuit.

Title (de)
Eingangsschaltung.

Title (fr)
Circuit d'entrée.

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Application
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Abstract (en)
An input circuit is disclosed, which can be driven by a single power supply, and which can convert an ECL-level input signal falling to a negative voltage into a CMOS-level signal rising to a positive voltage, and can then supply this CMOS-level signal to an inner circuit. The input circuit comprises a transistor (13), a bias circuit (22, 23, 30-33), and a current-to-voltage converter (24). The emitter of the transistor (13) is coupled to an input terminal for receiving a signal of a negative potential. The bias circuit (22, 23, 30-33) applies a negative bias voltage to the base of the transistor (13). The current-to-voltage converter (24) is connected to the collector of the transistor (13). The converter (24) outputs a signal first falling to a positive level and then rising to another positive level. That is, the input circuit can convert an input signal of a negative level to a signal of a positive level.

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